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ABSTRACT

A project was conducted to compile integrated and applied curriculum resources, develop databases on the World Wide Web, and encourage networking for high school and technical college educators through an Internet discussion group. Activities conducted during the project include the creation of a web page to guide users to resource banks containing information about integrated and applied curriculum. The first database contains more than 80 resources, including contact people, curriculum kits, and journal articles. The second database describes selected offerings in integrated and applied curriculum resources in the state of Wisconsin, linked by school, and the third database shows actual integrated and applied curriculum generated by educator teams who attended the university's 1996 summer conference. A brochure was sent to all high school principals and school-to-work leadership group members (more than 1,000) describing how to access the web pages and join the discussion group. About 70 educators were introduced to the web pages and the discussion group at the 1996 summer conference. Evaluation of the project showed that 14 people had joined the online discussion group by August 14, 1996 and the web page had been accessed 513 times since its inception in April. Participants at the summer workshop rated the workshop and the project highly, with the only negative comments concerning access to the World Wide Web and the need for more time in the Internet workshops. Recommendations were made to continue to make the web page user friendly, to expand the web pages to include more information about curriculum integration at the technical college level, to add resources for students to the web pages, and to conduct workshops for educators about the Internet. (Three appendixes contain the contents of the web page, the brochure, and information on the Internet discussion group.) (KC)

ED 398 394

Integrated and Applied Curricula Discussion Group and Data Base Project

Final Report

August 1996

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Integrated and Applied Curricula Discussion Group and Data Base Project

**Conducted by the Center for Vocational, Technical and
Adult Education**

University of Wisconsin-Stout

Final Report For:

**Wisconsin Department of Public Instruction
and
Wisconsin Technical College System**

August 1996

The materials herein were developed pursuant to a grant with the Wisconsin Department of Public Instruction and the Wisconsin Technical College System Board, partially reimbursed from allocation of federal funds from the Department of Education. Contractors undertaking such projects under government sponsorship are encouraged to express freely their professional judgment in the conduct of the project. Points of view or opinions stated do not, therefore, represent official Department of Education position or policy. The University of Wisconsin-Stout does not discriminate on the basis of race, sex, age, religion, handicap or national origin.

Abstract

In 1995 the Wisconsin Department of Public Instruction (DPI), and the Wisconsin Technical College System (WTCS) selected the University of Wisconsin-Stout to develop informational resources for high school and technical college educator teams to support them in the implementation of integrated and applied curriculum and the training of teachers in their schools. The mission was to create data base of resources and a discussion group about integrated and applied curricula and disseminate this information over the Internet.

This report addresses the findings, conclusions and recommendations of a project that was funded to assist in the continuation of integrated and applied curricula training of high school and technical college educators.

**Integrated and Applied Curricula
Discussion Listserv and Data Base Project
October 15, 1995--August 31, 1996**

Background

Over the last three years, the University of Wisconsin-Stout has been awarded four grants to promote the development of integrated and applied curricula in Wisconsin high schools and technical colleges. The Center for Vocational, Technical and Adult Education has undertaken many activities to assist educators and administrators in this endeavor. Some of the main activities include The Wisconsin Learner Goals and Outcomes Conference (1994); Awarding of 26 mini-grants to encourage School-To-Work activities (1994); twelve technical assistance visits (1994); two integrated and applied summer conferences (1994-1995), three administrator workshops (1995), and a teacher educator workshop (1995).

Starting in 1995, a large data base of resources was compiled including, School-To-Work kits, journal articles, resource people, curriculum samples, and many other useful resources to aid educators and administrators. Teacher surveys and need assessments indicated there was a great need for informational resources of this type and continuous networking. The Internet seemed to provide an easy means to distribute this information and stimulate communication and problem solving.

Purpose

The purpose of this project was to compile integrated and applied curricula resources, develop data bases on the world wide web, and encourage networking through an Internet discussion group. This project was directly related to the Summer Conference project and Internet workshops for teachers would help market these new resources and test them to see if they were easy to use and beneficial. It was also hoped this project would help establish a cohesive network that could be expanded to include other School-To-Work initiatives.

Project Goals

Goals for the project were developed by consultants from DPI, WTCS and project staff at UW-Stout. Evaluations and needs assessments from past conference contributed greatly to the content of the web pages.

GOAL 1---Establish a Resource Integrated and Applied Curricula Data Base

Establish a means for team members and other interested parties to gain information about integrated and applied curricula and School-To-Work including: examples of applied tasks, portfolios, alternative assessment methods, team teaching, learning styles,

business/community/school partnerships and authentic tasks. Secondary data bases concerning other state initiatives may be added as time permits.

A. Outcomes

This activity will enhance the existing resource data base and distribute the information.

GOAL 2--Establish An Internet Communications Network

An Internet discussion group will be created to provide forum and dialog about integrated and applied curricula.

A. Outcomes

This network will provide an inexpensive method for people interested in curriculum to solve problems, share ideas and activities, and discuss issues.

Project Activities As They Relate To Above Goals and Objectives

World Wide Web Resources

A web page (see appendix A) was created to guide users to resource banks containing information about integrated and applied curricula. The first data base "Integrated and Applied Curricula Resources" contains over 80 resources including contact people, curriculum kits, journal articles, etc. The second data base describes Selected Offerings In Integrated and Applied Curricula in the state of Wisconsin, listed by school. This information was taken from a DPI survey. The third data base shows actual integrated and applied curriculum generated by the educator teams at the 1996 UW-Stout conference. It displays five sample integrated and applied curriculum projects. An example of integrated curriculum from the Technical Colleges is also found in the conference web pages. A sample of these resources are found in Appendix A.

A brochure was sent this spring to all high school principals and School-To-Work Leadership group members describing how to access the web pages and join the discussion group. All in all, over 1,000 brochures have been distributed at various workshops and conferences, and through mailings. The brochure is found in Appendix B. The web address is:

<http://www.sit.uwstout.edu/cntr/cvtae/iac.html>

Educators were introduced to the web pages and the discussion group at the 1996 summer conference. Three training workshops were offered so educators could learn how to use Internet, access the world wide web, and view the resources developed by the Center for Vocational, Technical and Adult Education. Over 70 people attended the workshops.

The first data base, Integrated and Applied Curricula Resources, was printed and bound and distributed to schools attending the conference. It should be noted all the resources are examples of integrated vocational-technical education and academic subject matter. They were submitted by technical college and high school educators, administrators or others working in the field.

These resources may help teachers, directors of curriculum, counselors and others who are looking for useful examples of integrated and applied curriculum. The web sites display many of integrated and applied activities found in Wisconsin schools, but there are also resources from other states.

Internet Discussion Group

The discussion group, CVTAE-IAC, was started in April 1996. Sample questions and answers from the discussion group are found in Appendix C. The topic of the discussion group was intended to be integrated and applied curricula and related School-To-Work topics (such as work based learning, portfolios, learning styles, etc.). In Appendix C, the greeting, group guidelines, and subscription information are included.

Project Evaluation

The project was evaluated using the following quantitative measurements: number of people accessing the web pages, number of subscribers to the discussion group, and measurement of growth in the number of resources. Qualitative evaluation in the form of workshop survey comments also helped evaluate the quality and usefulness of the Internet resources.

At the beginning of August, 14 people had joined the on line discussion group. Because of the magnitude of the project and the delay in funding, the on-line discussion group was not introduced until close to the end of the school year. If the project was started earlier in the school year as planned, it is likely the discussion group would be more active.

The growth in the number of discussion group subscribers has been relatively slow. It is anticipated this number will grow quickly as more people learn about the discussion group when they return to school in the fall.

The web page has been accessed 513 times since its inception in April. The growth in the number of users has remained fairly constant.

The evaluation results from the summer workshop indicate the Integrated and Applied Curricula Internet Resources workshops were well received. The mean, on a scale of 1-5 (1 is poor, 5 is excellent), was a 4.10. The standard deviation was 1.01. The workshop was conducted in new Windows 95 computer labs so each participant had access to a computer.

The comments from workshop participants indicated they felt the workshop was useful. Some wished the workshops varied by ability. Some participants were experienced web surfers and

others had never seen the web before. Most participants would have liked more time to work on their own and to explore resources on the web. Workshop participants enjoyed the hands-on nature of the class.

The evaluation also asked conference participants how they felt the Internet resources might help them in developing and implementing integrated and applied curricula.

The question was: "If you attended one of the Internet resources workshops or had previously accessed these resources, do you think they will help you develop and/or implement integrated and applied curricula"? Of those responding, 82% said yes and 18% said no. Comments on the positive side indicated it was an good sources of information and ideas and it was the wave of the future. Negative comments centered around two general themes: lack of world wide web access at home and the need for more time in the Internet workshops. Some people said they needed more time to experiment and have hands-on practice. None of the negative comments indicated the resources were not helpful, but that there were accessibility problems either at the conference or at home.

Recommendations

1. The web pages must continue to be user friendly. Project staff and consultants from WTCS and DPI should continue to evaluate the merits of any additional resources to be added to the web pages and make sure the intended audience is satisfied with the results. A focus group of educators, from high schools and technical colleges would be helpful in making these determinations.
2. Expand the web pages to include more about integration at the technical college level. Right now there are several resources about this topic, but there is room for improvement.
3. Add additional links to interesting and useful web sites as needed.
4. Create an advisory committee composed of WTCS and DPI consultants, educators and project staff from UW-Stout to select information and prioritize what is added to the web pages.
5. Add resources for students to the web pages.
6. Conduct training for educators and state personnel to introduce the Internet.
7. Continue to advertise the resources to the public and try and get more subscribers to join the discussion group.
8. Monitor improvements in World Wide Web design and technology and integrated new technical features as they evolve.

The Integrated and Applied Curricula Electronic Resources are administered by the Center for Vocational, Technical and Adult Education at the University of Wisconsin-Stout. Funding is provided through a grant provided by the Wisconsin Department of Public Instruction and The Wisconsin Technical College System.

Integrated & Applied Curricula Project

This Project provides informational resources for high school and technical college educators about integrated and applied curricula.

Welcome to the Integrated and Applied Curricula World Wide Web page! This service is provided by the Center for Vocational, Technical and Adult Education at the University of Wisconsin-Stout. Feel free to browse and send us an E-mail if you have any questions or comments.

Resource Links

- ☐ [What Is Integrated and Applied Curricula All About?](#)
- ☐ [Who Are These Resources For?](#)
- ☐ [How To Find What You are Looking For!](#)
- ☐ [Guide to the Data Base](#)
- ☐ [Selected Offerings for Integrated & Applied Curriculum Development in Wisconsin](#)
- ☐ [About Integrated & Applied Curricula Electronic Discussion Group](#)
- ☐ [1996 Integrated & Applied Curricula Conference](#)
- ☐ [Related Web Sites](#)

The Integrated and Applied Curricula Electronic Resources are administered by the Center for Vocational, Technical and Adult Education at the University of Wisconsin-Stout. Funding is provided through a grant provided by the Wisconsin Department of Public Instruction and The Wisconsin Technical College System.



The IAC Administrator

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Last Update June, 1996

Guide to the Database

Data Base resources have been sorted by discipline. Just click on the highlighted discipline headings to find resources about the disciplines and sub-disciplines contained within each heading.

Topics

<u>Agriculture</u>	<u>Art</u>
<u>Business</u>	<u>Career Counseling</u>
<u>Cooperative Education</u>	<u>Computer Science</u>
<u>Technical Education</u>	<u>English</u>
<u>Family and Consumer Education</u>	<u>Language</u>
<u>Mathematics</u>	<u>Physical Education</u>
<u>Science</u>	<u>Social Studies</u>
<u>Special Education</u>	<u>Technology Education</u>
<u>Vocational Education</u>	<u>General</u>

What You Will Find

You will find the name of the person or organization who submitted the information, a listing of the disciplines involved, a short description of the resource, and directions on how to find further information. Several types of resources are catalogued.

- ☐ Journal Articles
- ☐ Lesson Plans
- ☐ Curriculum Guides
- ☐ Contact People
- ☐ Videos
- ☐ Assessment Tools
- ☐ Student Work Samples
- ☐ And More...

To Locate The Resources

Most often , you will be directed to find further information in the "Contact" box. A person, place or address will be listed. For example, a journal article will not be published in full length, but you will find

the necessary information to obtain a copy in the "Contact" box.

If You Can't Find What Your Looking For

Contact one of the following staff members at the Center for Vocational, Technical and Adult Education for assistance.

Julie Keown-Bomar
Telephone: (715) 232-2343
[E-Mail to Julie](#)

Lorayne Baldus
Telephone: (715) 232-1395
[E-Mail to Lorayne](#)

Or send the Center for Vocational, Technical and Adult Education a request: [IAC](#)

[The IAC Administrator](#)
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BUSINESS

(Business Education, Business Systems, Business Technology, Marketing, Accounting)

Discipline: Business Systems, Technology Education, Language Arts, Mathematics

Activity: Technical writing curriculum, business communications curriculum, team teaching

Grades: 10-12

Resource: Integrated curriculum, resource people

Format: Written

Name: Wagner, Jane

Site: Marshfield Senior High School

Consortium: MSCT

Address: 1401 E. Becker Rd., Marshfield, WI 54449

Telephone: 715-387-8464

Call: 8-11 am

Contact: Various teachers at school

Telephone: 715-387-8464

Copyright: No

Discipline: Business Education, Communication Arts

Activity: Lesson plans, assignments

Grades: 11-12

Resource: Integrated and applied curriculum, authentic tasks, authentic assessment.

Format: Documents

Name: Protsman, James

Site: Lincoln High School

Consortium: LTC

Address: 1433 S. 8th St., Manitowac, WI 54220

Telephone: 414-683-4830

Call: 12:00-1:30 pm

Contact: James Protsman

Telephone: 414-683-4830

Copyright: Yes

Discipline: Business Education, Mathematics, Social Studies, English, Technology Education **Activity:**

The "Reality Check" Curriculum Review Process brings in representatives from post-secondary education, public institutions, and private sector to help evaluate curriculum.

Grades: 9-12

Resource: Assessment

Name: Patzer, Deanna

Site: Central High School, Dist.-Westosha

Consortium: GTC

Address: 24617 75th St., P.O. Box 38, Salem WI 53168
Telephone: 414-843-2321
Fax: 414-843-4069
Call: 7:30--3:00
Contact: Central High School
Telephone: 414-843-2321

Discipline: Business, Spanish
Activity: Students apply written and oral Spanish proficiency in specific vocational areas using modern technology.
Grades: 11-12
Resource: Integrated curriculum: course description/course catalog
Format: Documents
Name: Keffer, Mary Jo and Staley, Sylvia
Site: Harlem High School
Address: 9229 North Alpine Road, Loves Park IL 61111
Telephone: 815-654-4511
Contact: Sylvia Staley and Mary Jo Keffer
Telephone: 815-654-4511

Discipline: Business, Art, English, Industrial Technology, Mathematic, Science, Social Studies
Activity: Focus of the project is on the interdependence of the various disciplines. Cross-referential presentations of research, design, development, production, and marketing of student-created projects utilizes multiple teaching/learning strategies.
Grades: 9-12
Resource: Integrated curriculum: measurement tools, development and marketing tools.
Format: Documents
Name: Hunt, Patricia & Venturi, Pamela
Site: Woodruff High School
Address: 1800 N.E. Perry, Peoria IL 61603
Contact: Patricia S. Hunt and Pamela Venturi

Discipline: Business Technology, Metallurgical Science, Mathematics, Horticulture Science, etc
Activity: The Business Center, an entrepreneurial concept, integrates vocational and academic subjects.
Grades: 11-12
Resource: Integrated and applied curriculum: audiovisual material, software, teacher workshops.
Format: Software, documents, audiovisual
Name: Appiah, Dorthy and Majors, Fred
Site: Englewood High School
Address: 6201 S. Stewart Ave., Chicago IL 60607
Contact: Dorothy R. Appiah or Fred Majors

Discipline: Business, Accounting

Activity: The Jones Accounting and World of Finance program introduces students to the financial community. It combines Tech Prep and the Academy of Finance models. Students who complete the program are prepared for entry-level positions in Financial Services

Grades: 11-12

Resource: Applied curriculum: instructional guidelines, teacher workshops.

Format: Documents

Name: Miller, Annie

Site: Jones Metropolitan High School of Business and Commerce

Address: 606 South State St., Chicago IL 60605

Telephone: 312-534-8600

Contact: Jeanne M. Carey, Acting Principal, or Annie B. Miller, Director, Academy of Finance Program.

Telephone: 312-534-8600

Discipline: Business, Accounting, Office Careers

Activity: Writing Across The Vocational Curriculum was designed to improve the written communication skills of vocational students enrolled in Accounting, Business and Office Careers as a response to the needs of business and industry.

Grades: 13-14

Resource: Integrated and Applied Curriculum. Business and Industry Cooperation.

Format: Documents

Name: Drea, John

Site: John Wood Community College

Address: 150 South 48th ST., Quincy IL 62301

Telephone: 217-224-6500

Contact: Michael Terry--Chair, Languages and Literature

Telephone: 217-224-6500

Discipline: Business Education, Mathematics

Activity: The Computers and Applied Math program was designed for those students who have had a difficult time understanding math concepts and at the same time relate the use of those math concepts to the business world and real life experiences by using a p.c.

Grades: 9-10

Resource: Integrated and applied curriculum

Format: Documents

Name: Poppleton, Sharon

Site: Glenbard West

Address: 670 Crescent Blvd., Glen Ellyn IL 60137

Telephone: 708-469-8600

Contact: Sharon Poppleton

Telephone: 708-469-8600

Discipline: Business, Mathematics, English

Activity: The Business Academy integrates math, English and business courses in to the subject matter. The Center provides students with skills in the areas of accounting, clerical, secretarial and marketing, sufficient for them to obtain entry level positions.

Grades: 10-11

Resource: Integrated and applied curriculum.

Format: Documents

Name: Meiss, Robert

Site: Peoria High School

Address: 1615 N. North St., Peoria IL 61604

Telephone: 309-672-6626

Fax: 309-685-5803

E-mail: Rmeiss@Heartland.Bradley.edu

Contact: Robert Meiss

Telephone: 309-672-6626

Discipline: Business Education, Computer, Journalism, Science, Social Science

Activity: Interdisciplinary newspaper project.

Grades: 9-12

Resource: Integrated curriculum

Format: Documents

Name: Wahe, Sheila and Bihn, Janel

Site: Rock Island High School

Address: 1400 25th Ave., Rock Island IL 61201

Telephone: 309-793-5950

Contact: Sheila Wahe or Janel Bihn

Telephone: 309-793-5950

Discipline: Business, English, Manufacturing, Mathematics, Science, Career Maps

Activity: By focusing on the alignment of topics covered in academic and vocational courses taken by the middle 50% of the student body at EPCHS, a lab has been instituted to teach Applied Academics. This lab incorporates applied materials in all courses.

Grades: 9-12

Resource: Integrated and Applied Curriculum, Career Majors, Career Counseling, Career Paths, Career Curriculum, Inservices

Format: Documents

Name: Westerman, JoAnne

Site: East Peoria Comm. H.S.

Address: 1401 E. Washington Street, East Peoria IL 61611

Telephone: 309-694-8300

Contact: JoAnne Westerman

Telephone: 309-694-8300

Discipline: Business, English, Mathematics, Science, Industrial Technology

Activity: Overlapping and reinforcement, as well as direct application of academic concepts in two or more curricular areas at one time, encourages students to take planned sequences of integrated instruction. Results: increased test scores, lower dropout rate.

Grades: 9-12

Resource: Integrated curriculum

Format: Documents

Name: Goodale, Susan

Site: Illinois Valley Central

Address: 1300 W. Sycamore, Chillicothe IL 61523

Telephone: 309-274-5481

Contact: Susan Goodale

Telephone: 309-274-5481

Discipline: Business Education, Industrial Technology

Activity: Tech Prep High School Planning Guide that enables students to plan a four-year program which integrates both vocational and academic courses. Students have four year plans which flow according to long-term career plans of the student.

Grades: 9-14

Resource: Career Mapping, Integrated and Applied Curricula

Format: Documents, packet

Name: Fox, Fred

Site: Community Unit School Dist. #300

Address: 300 Cleveland Ave., Carpentersville IL 60110

Telephone: 708-426-1300

Contact: Fred Fox

Telephone: 708-426-1300

Copyright: No

Discipline: Business, Marketing, Foreign Language

Activity: International Business/Marketing. Team taught between a foreign language teacher and business education instructor. Students learn the culture and do's and don'ts of dealing with international business.

Resource: Integrated and applied curriculum

Name: Moll, Donna

Site: Hartford Union High School

Consortium: MPTC

Address: 805 Cedar St., Hartford WI 53027

Telephone: 414-673-8950

Fax: 414-673-8943

Contact: Donna Moll, Lee Scharpf, or June Krueger

Telephone: 414-673-8950

Discipline: Business, Language Arts, Social Studies

Activity: Global Communications Course. Integrated freshman language arts and social studies course. Regional approach helping kids see connections. Business education work with the teachers to connect what the kids are learning.

Grades: 9

Resource: Integrated and Applied Curriculum

Name: Moll, Donna

Site: Hartford Union High School

Consortium: MPTC

Address: 805 Cedar St., Hartford WI 53027

Telephone: 414-673-8950

Fax: 414-673-8943

Contact: Donna Moll

Telephone: 414-673-8950

Discipline: Business, Technology Education, Family and Consumer Education, Science/ Ag. **Activity:** VISION--Carpentry students build a house. The local Rotary is the fiscal/general contractor. Students from architecture, CAD, landscaping, interior design, foods, accounting, and marketing help with building and selling the house.

Grades: 11-12

Resource: Integrated and Applied Curriculum. Partnerships

Name: Moll, Donna

Site: Hartford Union High School

Consortium: MPTC

Address: 805 Cedar St., Hartford WI 53027

Telephone: 414-673-8950

Fax: 414-673-8943

Contact: Art Luthi

Telephone: 414-673-8950

Discipline: Business Education, English

Activity: English for the 21st Century I & II--Team taught between a language arts and business education teacher.

Grades: 11-12

Resource: Integrated and Applied Curriculum

Name: Moll, Donna

Site: Hartford Union High School

Consortium: MPTC

Address: 805 Cedar St., Hartford WI 53027

Telephone: 414-673-8950

Fax: 414-673-8943

Contact: Lisa Olson--Business or Dan Roskom--Language Arts

Telephone: 414-673-8950

Discipline: Business

Activity: Business Publishing--Desktop publishing is learned via working on actual school and community projects.

Grades: 11-12

Resource: Applied Curriculum

Name: Moll, Donna

Site: Hartford Union High School

Consortium: MPTC

Address: 805 Cedar St., Hartford WI 53027

Telephone: 414-673-8950

Fax: 414-673-8943

Contact: Lisa Olson--Business

Telephone: 414-673-8950

Developing an Integrated Vocational and Academic Learning Plan

for an Associate Degree Mechanical Design Program

Theo Flickinger, Communication Skills Instructor

Myra Payne, Mechanical Design Instructor

Western Wisconsin Technical College

304 North Sixth Street

LaCrosse, WI 54601

(608) 785-9200

Overall Project Goal:

To bring together academic and occupational faculty and support personnel to develop an integrated learning program for Mechanical Design students in an effort to increase overall student success

Specific Project Goals:

- ☐ Form and develop a VALP team
- ☐ Develop integrated, performance-based academic and vocational curricula
- ☐ Increase both internal and external communication
- ☐ Increase overall student retention and success
- ☐ Increase the retention and success of special needs and at-risk students
- ☐ Increase student academic achievement, student satisfaction, and employability

Functional Definition of Integration:

Modifying academic and vocational education by engaging in curriculum alignment

- ☐ faculty collaboration
- ☐ integrated units
- ☐ content of both academic and vocational courses changes

Team Members

- ☐ Mechanical Design Instructors (4)
- ☐ Physics Instructor (1)
- ☐ Mathematics Instructor (1)
- ☐ Communication Skills Instructor (1)
- ☐ Counselor (1)
- ☐ Project Coordinator (1)

Team Training:

- ☐ Training in how to work as a team (1 day)
- ☐ Training in how to develop integrated curricula (1 week)
- ☐ Training in how to write performance-based curriculum (2 days)

Mechanical Design Program Core Competencies:

- ☐ Generate graphical engineering documentation
- ☐ Demonstrate proficiency using CAD and related computer tools
- ☐ Evaluate product design
- ☐ Produce and revise supporting engineering documentation
- ☐ Exhibit professionalism
- ☐ Demonstrate proficiency in written and oral communication
- ☐ Demonstrate a basic understanding of applied physics

Integrated Units:

- ☐ Moments of Inertia
- ☐ Properties of materials
- ☐ Strength
- ☐ Trig/vectors
- ☐ Career Paper
- ☐ Process Paper
- ☐ Lab Reports

Unifying Project Element

- ☐ TREK bicycle
- ☐ Labs designed to show integration of general education and mechanical design concepts

Project Evaluation Plan:

Based on Project Goals

Assessment Measures:

- ☐ Faculty and student satisfaction surveys
- ☐ Completion rate records -Student GPA's
- ☐ Video tapes

Faculty Benefits:

- ☐ Increased collaboration between general education and occupational faculty
- ☐ Better understanding of curriculum in other courses/departments
- ☐ Increased sense of coherence in entire curriculum

Student Benefits:

- ☐ Increased understanding of relationship of general education concepts to mechanical design courses
- ☐ Improved ability to work in a "team" setting with peers
- ☐ Improved written and oral communication skills

Inhibitors to Integration Project

- ☐ Lack of time for faculty to collaborate
- ☐ Lack of time for faculty to design integrated curriculum units
- ☐ Lack of strong administrative support

Project Replication:

- ☐ Develop a "shared vision" of what the team wants to accomplish
- ☐ Provide adequate training in how to integrate curriculum
- ☐ Provide for common curriculum planning/writing time
- ☐ Provide time for team members to collaborate

What is Integrated and Applied Curricula ?

Integrated and Applied Curricula is an important component of school reform. It links traditional academic disciplines with vocational and technical education and makes the curriculum relevant to the real world. Often integrated and applied curricula is linked to Tech Prep and School-To-Work initiatives. Developing effective integrated and applied curriculum is not an easy task. The intent of this project is to provide examples of curriculum, contact people, published articles, and other resources to aid in the development and implementation of integrated and applied curricula.

The Center for Vocational, Technical and Adult Education, the Wisconsin Department of Public Instruction and the Wisconsin Technical College System have worked together to provide this service. These resources have several things in common:

- ♦ All are examples of integrated vocational-technical education and academic subject matter.
- ♦ They have been recommended by teachers, administrators or others working in the field.



Join Our Discussion Group

The Integrated & Applied Curricula Discussion Group called CVTAE-IAC, is an electronic discussion forum on issues related to integrated & applied curricula including:

- ♦ Portfolios
- ♦ Authentic assessment
- ♦ Career majors
- ♦ Implementation of integrated and applied curricula
- ♦ Overcoming obstacles
- ♦ Examples of curricula that works or what doesn't work
- ♦ Program evaluation
- ♦ Other related topics

How to Subscribe & Unsubscribe To The Discussion Group

Send a message to...

Majordomo@www.sit.uwstout.edu

and write the command of "Subscribe" or "Unsubscribe" in the body of the message without a "subject" line:

to subscribe
subscribe CVTAE-IAC
to unsubscribe
unsubscribe CVTAE-IAC

To Participate In The Discussion

Send a message to...

cvtae-lac@www.sit.uwstout.edu

Use the following message format when you send a message to the CVTAE-IAC discussion group:

- ♦ Relate your message to some aspect of integrated & applied curricula as defined in the previous introduction.
- ♦ Make sure to use descriptive headings in the "subject" line so that others will know if that topic is of interest to them.
- ♦ When sending a message to the list, ALWAYS put your name and e-mail address at the end of every posting so that people can identify you.
- ♦ When replying to someone else's message, include only a few lines of their original message.

Resources On The World Wide Web

We offer access to Integrated & Applied Curricula Resources on the World Wide Web. These resources may help teachers, directors of curriculum, counselors, and others who are involved in developing curriculum for high schools and post-secondary institutions. You can access our Web page by using the following address:

<http://www.sit.uwstout.edu/cntr/cvtae/iac.html>

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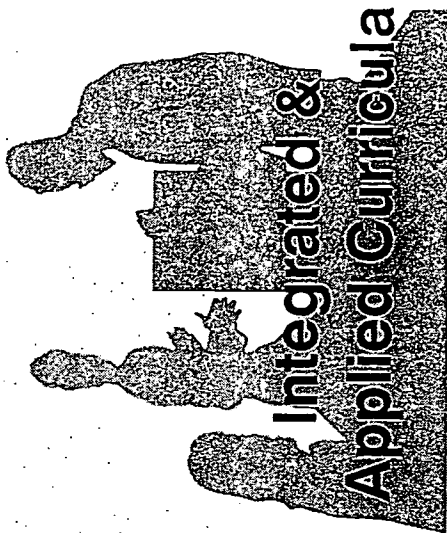
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Integrated and Applied Curricula Discussion Group (CVTAE-IAC)

Overview of CVTAE-IAC

CVTAE-IAC is an electronic discussion group dedicated to informational and friendly discussion of anything pertaining to integrated and applied curricula and related school-to-work issues. The intent of this discussion group is to provide a forum for discussion of integrated and applied curricula and related school to work issues. You can expect to find examples of curriculum, contact people, announcements, and resources. We hope you will contribute to the forum by asking questions, providing information and helping fellow subscribers with their questions. Examples of topics may include: how to develop integrated and applied curricula, how to work best in teacher teams, how to help students develop portfolios, or how best to partner with businesses.

The day to day operations of the list are carried out by project staff from the Center for Vocational, Technical and Adult Education at the University of Wisconsin-Stout. The list is run on Majordomo software at the University of Wisconsin-Stout. The catalyst for this discussion group was a School To Work grant funded by the Wisconsin Department of Public Instruction and the Wisconsin Technical College Board.

Subscription is open to all, although we anticipate the information will be of most value to instructors, administrators, school counselors, consultants, parents, and others interested in school-to-work issues.

CVTAE-IAC is a forum for the announcement and discussion of integrated and applied curricula news, research, conferences, and it provides a forum for professional networking.

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